

Form Approved OMB No. 2070-0060 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for re-registration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

### DATA MATRIX

Date: November 22, 2013

EPA Reg No./File Symbol: 71185-4


Page 1 of 9

Applicant's/Registrant's Name & Address:

Geo Logic Corporation  
P.O. Box 3091  
Tequesta, FL 33469

Product: AgroSource Streptomycin Technical Fungicide/Bactericide Agricultural Streptomycin

Ingredient: Streptomycin Sulfate (CAS No. 3810-74-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
Signature 			Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
					Not required (see endnote 1)
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	
Signature 			Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013

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					Waived (see endnote 2)
					Waived (see endnote 2)
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Signature			Name and Title:		Date
			James P. Rathvon Authorized Representative for Geo Logic Corp.		11/22/2013

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					Waived (see endnote 2)
					Waived (see endnote 2)
					Waived (see endnote 2)
					Waived (see endnote 2)
					Waived (see endnote 2)
		Geo Logic Corp.	OWN	Waiver submitted (see endnote 3)	
		Geo Logic Corp.	OWN	See endnote 4	
Signature 		Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Geo Logic Corp.	OWN	
			Geo Logic Corp.	OWN	See Label
					Waived (see endnote 5)
			Pfizer, Inc. Zoetis, Inc. Zoetis, Inc. Zoetis, Inc.	OLD	
			Zoetis, Inc. Zoetis, Inc.	OLD	
			Zoetis, Inc. Zoetis, Inc. Zoetis, Inc.	OLD	
			Interregional Research Project No.4 (IR-4)	PUB	
			Interregional Research Project No.4 (IR-4)	PUB	
					Waived (see endnote 6)
			Geo Logic Corp.	OWN	
Signature 			Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Pfizer, Inc.	OLD	
			U.S. EPA	OLD	
			U.S. EPA	OLD	
			Nufarm Americas, Inc.	.PAY	See endnote 7
			Nufarm Americas, Inc.	PAY	See endnote 7
			Zoetis, Inc.	OLD	
			Zoetis, Inc.	OLD	
			Zoetis, Inc.	OLD	
			Merck & Co.	OLD	
			Nufarm Americas, Inc.	PAY	See endnote 7
			Nufarm Americas, Inc.	PAY	See endnote 7
			Zoetis, Inc.	OLD	
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			Nufarm Americas, Inc.	PAY	See endnote 7
			Nufarm Americas, Inc.	PAY	See endnote 7
					Waived (see endnote 8)
					Waived (see endnote 8)
					Waived (see endnote 8)
			Nufarm Americas, Inc.	PAY	See endnote 7
			Nufarm Americas, Inc.	PAY	See endnote 7
Signature 			Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013

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					Waived
					Waived
					Waived
					Waived (see endnote 9)
				GAP	See endnote 10
				GAP	See endnote 10
				GAP	See endnote 10
				GAP	See endnote 10
Signature 			Name and Title: James P. Rathvon Authorized Representative for Geo Logic Corp.		Date 11/22/2013



<sup>1</sup> 830.7220 – Not applicable; the manufacturing use product is solid at room temperature.

<sup>2</sup> 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600, 870.3100, 870.3150, 870.3200, 870.3465, 870.3700, 870.3800, 870.4100, 870.4200, 870.5100, 870.5300, 870.5375, 870.5385, 870.5395, 870.6200, 870.6300, 870.7485, 870.7600, 870.7800 – These data requirements have been waived by EPA: “All toxicity data requirements are waived for streptomycin because of the extensive database in humans and animals that exists from the streptomycin drug use.” US EPA Final Work Plan Registration Review, May 2009, Case #0169.

<sup>3</sup> Waiver request for Immunotoxicity study (870.7800) submitted in response to request by EPA.

<sup>4</sup> FDA Document #152 Guidance for Industry addresses potential effects of antibiotic resistance. Streptomycin Risk Assessment study submitted in response to request by EPA.

<sup>5</sup> 860.1300 – EPA Pesticide Fact Sheet No. 186, Streptomycin, Sept. 1988, Item No. 3. Science Findings, Physiological and Biochemical Characteristics: “Metabolism and Persistence in Plants and Animals: The Agency has determined that plant and animal metabolism data are not needed for the following reasons:

- metabolism of streptomycin in mammals has already been traced in connection with its use in humans;
- residues are non-detectable (< 0.5 ppm) in or on crops when treated according to label use rates and directions;
- large amounts of toxicological data exist;
- most crops are treated at or before transplanting (celery, peppers, potatoes and tomatoes) and pome fruit are treated foliarly but with a 30-day PHI for apples and crabapples;
- potential daily exposure to streptomycin as a pesticide is < 0.01% of the daily clinical dosage (1-4 grams/day).”

Additionally, neither Data Call-in (DCI) for Streptomycin Sulfate issued in 2008 or 2010 called for this study, nor is it indicated as a data gap on the final work plan for Streptomycin issued May 2009.

<sup>6</sup> 860.1850 – According to the Streptomycin Reregistration Eligibility Document (RED), Appendix B, Sept. 1992, this data requirements is waived,

<sup>7</sup> 835.1300, 835.1400, 835.2300, 835.4100, 835.4150, 835.4400, 835.5400 – The June 22, 2010 Data Call-In (DCI) for Streptomycin Sulfate called for these data. To address these data requirements, on October 1, 2010 Geo Logic issued an offer to Nufarm Americas, Inc. pursuant to FIFRA § 3(c)(2)(B) to jointly develop or share in the cost of developing these data.

<sup>8</sup> Waiver confirmed in May 16, 2012 letter from Richard Keigwin (EPA) to Geo Logic.

<sup>9</sup> 835.2410 - This data requirement is waived per the RED.

<sup>10</sup> 835.4100, 835.4200, 835.4300, 835.4400 – The June 22, 2010 DCI for Streptomycin Sulfate called for these data, but no data satisfying those data requirements have been submitted to EPA. Geo Logic is currently in discussions with EPA on how best to address these data requirements.